

**Notice of Allowability**

Application No.

09/534,915

Examiner

ADNAN M. MIRZA

Applicant(s)

WHIPPLE, MARK B.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/13/2007.
2. ☒ The allowed claim(s) is/are 1-56.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
JASON CARDONE  
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicants, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it must be submitted no later than the payment of the issue fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Steven Laureanti on 12/13/2007.

Please amend the independent claims 1, 23 and 56.

Claim 1 (Presently Amended): A system stored on a computer-readable media for managing event publication and subscription for event producer-consumers of heterogeneous types using a plurality of mappers each specific to a particular type of event producer-consumer, the system comprising: a logical event manager; and a physical event manager in communication with the logical event manager, a first event producer-consumer of a first type, and a second event producer-consumer of a second type, the first and second event producer-consumers being of heterogeneous types, wherein the physical event manager comprises: a first mapper specific to the first type of the first event producer-consumer and operable to translate between the logical event manager and the first event producer-consumer; and a second mapper specific to the second type of the second event producer-consumer and operable to translate between the logical event manager and the second event producer-consumer.

Claim 23 (Presently Amended): A system stored on a computer-readable media for managing event publication and subscription for event producer-consumers of heterogeneous types using a plurality of mappers each specific to a particular type of event producer-consumer, comprising: a logical event manager; and a physical event manager in communication with the logical event manager and with a plurality of event producer-consumers, each event producer-consumer being of a particular type, the plurality of event producer-consumers being of heterogeneous types; the physical event manager comprising a plurality of mappers each corresponding to a particular type of event producer-consumer and operable to: for incoming physical events: receive a particular type of signal indicative of a physical event from the corresponding particular type of event producer-consumer; translate the particular type of signal received from the corresponding particular type of event producer-consumer into a logical event for communication to the logical event manager; for outgoing physical events: receive a logical event from the logical event manager; translate the logical event received from the logical event manager into a particular type of signal indicative of a physical event for communication to the corresponding particular type of event producer-consumer.

Claim 56 (Presently Amended): A system stored on a computer-readable media for managing event publication and subscription for event producer-consumers of heterogeneous types using a plurality of mappers each specific to a particular type of event producer-consumer, comprising: first means for receiving and communicating logical events; and second means, in

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communication with the first means and with a plurality of event producer-consumers, each event producer-consumer being of a particular type, the plurality of event producer-consumers being of heterogeneous types, for translating signals received from event producer-consumers into logical events for communication to the first means and for translating logical events received from the first means into signals for communication event producer-consumers; the second means comprising a plurality of mapping means each corresponding to a particular type of event producer-consumer and each for incoming physical events: receiving a particular type of signal indicative of a physical event from the corresponding particular type of event producer-consumer; translating the particular type of signal received from the corresponding particular type of event producer-consumer into a logical event for communication to the first means; for outgoing physical events: receiving a logical event from the first means; translating the logical event received from the first means into a particular type of signal indicative of a physical event for communication to the corresponding particular type of event producer-consumer.

### Reasons for Allowance

1. Claims 1-56 have been allowed.
2. The following is an examiner's statement for allowance:

The prior art references most closely resembling the applicant's claimed invention are Chow et al (U.S. 6,226,693) and Wimble et al (U.S. 5,778,230). Also the specification is silent as to a clear

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definition of a computer-readable media. The Examiner perceives computer-readable media as hardware only (ie. ROM, RAM, CD-ROM...).

First Chow disclosed s single event manager that maps physical events to Logical events.

However Chow failed to disclose "A Physical event manager in communication with logical event manager, a first event producer-consumer of a first type, and a second event producer consumer of a second type, the first and the second event producer-consumers being of heterogeneous types" (claims 1,9,13,19,23,34,45,56).

Second Wimble disclosed a single Logical to Physical Manager that is in communication with a single Primitive event object. However Wimble failed to disclose, "A Physical event manager in communication with logical event manager, a first event producer-consumer of a first type, and a second event producer consumer of a second type, the first and the second event producer-consumers being of heterogeneous types" (claims 1,9,13,19,23,34,45,56).

In summary, the Examiner submits that there is no motivation to combine the aforementioned references because Wimble has no need for a first mapper and a second mapper according to claim 1 and Wimble merely disclosed a Logical to Physical manager that is in communication with a single Primitive event object and thus perform only one type of mapping Where as Chow also failed to provide any motivation to combine Whereas Chow failed to disclose a a physical event manager in communication with the logical manager as applicant in specification disclosed, "Logical event manager 122 publishes the logical events to physical event manager

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124, which translates them to signals using the appropriate mapper and sends them to the subscribing external EPCs 102-112 using the appropriate listener-sender. Alternatively, logical event manager 122 may receive logical events from and publish logical events to internal EPCs 116-120 (Page. 10, lines 11-30); therefore, claims 1-56 have been deemed allowable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

The examiner can normally be reached on Monday to Friday during normal business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for this group is (703)-746-7239. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).



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